

Overview: Translation stages

- `./julia (repl.c)`
- `eval/include (builtins.c)`
 - `parser (julia-parser.scm)`
 - `run macros (ast.c)`
 - `lowered form (julia-syntax.scm)`
 - `execute toplevel expressions (toplevel.c)`
 - `call functions (gf.c)`
 - `dispatch (typemap.c)`
 - `interpreter (interpreter.c)` OR
`compiler (codegen.cpp)`
+ `optimizations (inference.jl)`

For details, see Jeff's talk from JuliaCon 2014.

Overview: Standard Library

- `./julia (repl.c)`
 - getopt parsing
 - loads the standard library
- `libjulia.so` (or `.dll` or `.dylib`)
 - Garbage Collector / Allocator
 - Builtin Functions / Ininsics
 - Interpreter
 - Builtin Types
 - Type System
 - Dispatch System
 - Compiler
 - Platform abstraction / integration
 - System Image / serializer
- `sys.so` (and other `lib/julia/` files `*.so` and `*.ji`)
 - Core module
 - Inference module
 - Base module
- Packages
- Dependencies
 - LLVM, BLAS, libgit2, etc.